

SEQUENCE LISTING

<110> WEI, Ming-Hui et al.

<120> ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
THEREOF

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<212> DNA

<213> Homo sapiens

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<213> Rattus norvegicus

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Gly Lys Pro Pro Leu Met Thr Gln Gln Gln Met Ser Ala Leu Ser Arg
          35          40          45
Glu Gly Val Leu Asp Ala Leu Phe Val Leu Leu Glu Glu Cys Ser Gln
          50          55          60
Pro Ala Leu Met Lys Ile Lys His Val Ser Ser Phe Val Arg Lys Tyr
          65          70          75          80
Ser Asp Thr Ile Ala Glu Leu Arg Glu Leu Gln Pro Ser Val Arg Asp
          85          90          95
Phe Glu Val Arg Ser Leu Val Gly Cys Gly His Phe Ala Glu Val Gln
          100          105          110
Val Val Arg Glu Lys Ala Thr Gly Asp Val Tyr Ala Met Lys Ile Met
          115          120          125
Lys Lys Ala Ala Leu Arg Ala Gln Glu Gln Val Ser Phe Phe Glu Glu
          130          135          140
Glu Arg Asn Ile Leu Ser Gln Ser Thr Ser Pro Trp Ile Pro Gln Leu
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Gln Tyr Ala Phe Gln Asp Lys Asn Asn Leu Tyr Leu Val Met Glu Tyr
          165          170          175
Gln Pro Gly Gly Asp Leu Leu Ser Leu Leu Asn Arg Tyr Glu Asp Gln
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Leu Asp Glu Asn Met Ile Gln Phe Tyr Leu Ala Glu Leu Ile Leu Ala
          195          200          205
Val His Ser Val His Gln Met Gly Tyr Val His Arg Asp Ile Lys Pro
          210          215          220
Glu Asn Ile Leu Ile Asp Arg Thr Gly His Ile Lys Leu Val Asp Phe
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Gly Ser Ala Ala Lys Met Asn Ser Asn Lys Val
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<212> PRT

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<213> Mus musculus

<400> 5

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Gly Lys Pro Pro Leu Met Thr Gln Gln Gln Met Ser Ala Leu Ser Arg
      35           40           45
Glu Gly Met Leu Asp Ala Leu Phe Ala Leu Phe Glu Glu Cys Ser Gln
      50           55           60
Pro Ala Leu Met Lys Met Lys His Val Ser Ser Phe Val Gln Lys Tyr
65           70           75           80
Ser Asp Thr Ile Ala Glu Leu Arg Glu Leu Gln Pro Ser Ala Arg Asp
      85           90           95
Phe Glu Val Arg Ser Leu Val Gly Cys Gly His Phe Ala Glu Val Gln
      100          105          110
Val Val Arg Glu Lys Ala Thr Gly Asp Val Tyr Ala Met Lys Ile Met
      115          120          125
Lys Lys Lys Ala Leu Leu Ala Gln Glu Gln Val Ser Phe Phe Glu Glu
      130          135          140
Glu Arg Asn Ile Leu Ser Arg Ser Thr Ser Pro Trp Ile Pro Gln Leu
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Gln Tyr Ala Phe Gln Asp Lys Asn Asn Leu Tyr Leu Val Met Glu Tyr
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Gln Pro Gly Gly Asp Phe Leu Ser Leu Leu Asn Arg Tyr Glu Asp Gln
      180          185          190
Leu Asp Glu Ser Met Ile Gln Phe Tyr Leu Ala Glu Leu Ile Leu Ala
      195          200          205
Val His Ser Val His Gln Met Gly Tyr Val His Arg Asp Ile Lys Pro
210          215          220
Glu Asn Ile Leu Ile Asp Arg Thr Gly Glu Ile Lys Leu Val Asp Phe
225          230          235          240
Gly Ser Ala Ala Lys Met Asn Ser Asn Lys Val
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<211> 251

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      20           25           30
Gly Lys Pro Pro Leu Met Thr Gln Gln Gln Met Ser Ala Leu Ser Arg
      35           40           45
Glu Gly Met Leu Asp Ala Leu Phe Ala Leu Phe Glu Glu Cys Ser Gln
      50           55           60
Pro Ala Leu Met Lys Met Lys His Val Ser Ser Phe Val Gln Lys Tyr
65           70           75           80
Ser Asp Thr Ile Ala Glu Leu Arg Glu Leu Gln Pro Ser Ala Arg Asp
      85           90           95
Phe Glu Val Arg Ser Leu Val Gly Cys Gly His Phe Ala Glu Val Gln
      100          105          110
Val Val Arg Glu Lys Ala Thr Gly Asp Val Tyr Ala Met Lys Ile Met
      115          120          125
Lys Lys Lys Ala Leu Leu Ala Gln Glu Gln Val Ser Phe Phe Glu Glu
      130          135          140
Glu Arg Asn Ile Leu Ser Arg Ser Thr Ser Pro Trp Ile Pro Gln Leu
145          150          155          160
Gln Tyr Ala Phe Gln Asp Lys Asn Asn Leu Tyr Leu Val Met Glu Tyr
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